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MARQUIS2.FTN

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Job Order 74-903

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Systems and Services Division
Houston, Texas

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For

EARTH OBSERVATIONS DIVISION
SPACE AND LIFE SCIENCES DIRECTORATE



National Aeronautics and Space Administration
LYNDON B. JOHNSON SPACE CENTER
Houston, Texas

December 1977

LEC-11092

JSC-13145

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MARQUIS2.FTN

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PREPARED BY

Mary Mendowitz
M. A. Mendowitz

APPROVED BY

B L Carroll
B. L. Carroll, Manager
LACIE Development and Evaluation Department
Lockheed Electronics Company, Inc.

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16. Abstract This program computes averages and ranges of Large Area Crop Inventory Experiment/Land Satellite acquisitions and wheat estimates data. This output is the primary source for the data used in the Crop Assessment Subsystem reports. Input data for this program are obtained from CAMREP.US, the Crop Assessment Subsystem interactive system data base.		
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1. PROGRAM DESCRIPTION

Program MARQUIS2.FTN is used to read and perform calculations on an output file of the Crop Assessment Subsystem (CAS) interactive system. This program is written in Fortran IV PLUS to operate on the Programmed Data Processor, model 11/45 (PDP 11/45), computer under the Resource Sharing Executive, model 11D (RSX-11D), operating system. The CAS output file, CAMREP.US, is created during an aggregation and consists of the Classification and Mensuration Subsystem (CAMS) segments, estimates, and other data. There are no data inputs to the program other than a file with the name CAMREP.US. (A program functional flow chart is presented in figure 1.)

2. OUTPUT DESCRIPTION

MARQUIS2.FTN computes and outputs to the Gould printer the following quantities:

<u>Quantity</u>	<u>Heading label</u>
Number of lines read from CAMREP.US (For every state)	-
State name	-
Total number of spring and winter segments for the given state	SPRING SEGS WINTER SEGS
Number of spring and winter segments designated 100 percent other	SPRING OTHER WINTER OTHER
Percentage of spring and winter ratioed wheat averaged over all segments	AVE PCT WHT (RATIOED)
Average number of elapsed days between last segment acquisition and classification date	AVE PROCESSING TIME
Average of the last segment acquisition date for all segments	AVE LAST ACQ DATE

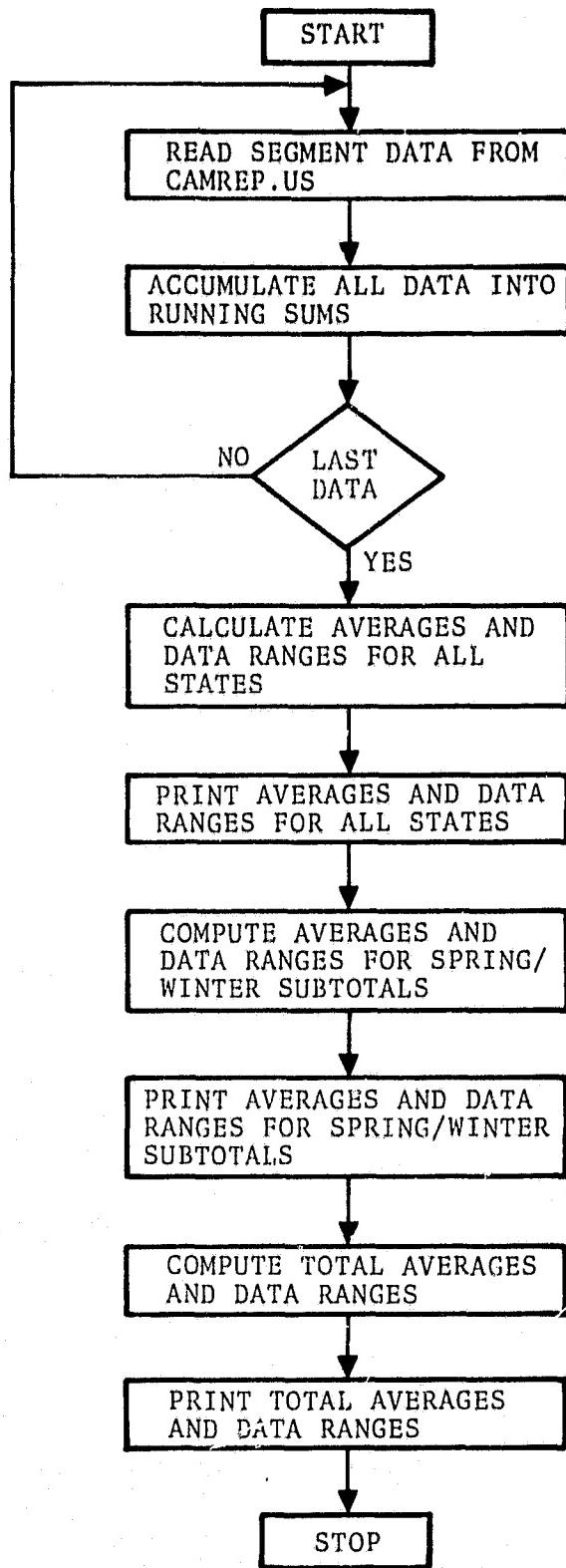


Figure 1.— Program functional flow chart.

<u>Quantity</u>	<u>Heading label</u>
Percentage of ratioed wheat in the segment with largest percentage of ratioed wheat	MAX PCT WHT (RATIOED)
Percentage of ratioed wheat in the segment with the least percentage of ratioed wheat	MIN PCT WHT (RATIOED)
Earliest acquisition date	EARLIEST ACQ DATE
Latest acquisition date	LATEST ACQ DATE
Distribution of latest acquisitions with respect to evaluation code	-
Distribution of latest acquisitions with respect to month of acquisition	-

The identical quantities mentioned above are then recomputed and printed for all spring acquisitions, all winter acquisitions, and all acquisitions.

3. PROGRAM LISTING

FORTRAN IV-PLUS V02-04
MARQUISE,FTN /TPR/LI/WR

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PAGE 1

```
0001      DIMENSION TOTALS(10,2,13),PCENT(10),RANGE(10,2,4,2)
0002      DIMENSTON RRP(2,2)
0003      DIMENSTON RR(2,2)
0004      DIMENSTON TDIG4(3)
0005      DIMENSTON AVE1(9,2,5),AVE2(9,2,5),IDIG3(9,2)
0006      DIMENSTON HTOT(3,24),TEVALT(3,9),TOTWH(3),ELAPT(3)
0007      DIMENSTON TCOL(3)
0008      DIMENSTON ACRTOT(3),RANGED(3,2),ANAME(3),HANGEW(3,2)
0009      DIMENSTON TDATE(4),ISTAGE(4),ICOUNT(10,2)
0010      DIMENSTON STATES(9)
0011      DIMENSTON MONTH1(13),AMONTH(24),IDATF(10,2,24)
0012      DIMENSTON TEVAL(10,2,9)
0013      DATA MONTH1 / 1,4,6,9,12,152,152,213,244,274,305,335,366 /
0014      DATA ANAME / ISPPGI , IWINI , ISUMI /
0015      DATA AMONTH / IJANI , IFEBI , IMARI , IAPRI , IHAYI , IJUNI ,
1 IJULI , IAUGI , ISEPB , IOCTI , INOVI , IDECI , IJANI ,
2 IFEBI , IMARI , IAPRI , IHAYI , IJUNI , IJULI , IAUGI ,
3 ISPPGI , IOCTI , INOVI , IDECI /
0016      DATA STATES / ICOLC , ITRANS , IMINNI , IMONTI , INEBRI ,
1 IN DAT , IKKAI , IS DAT , ITEXSI /
0017      DATA TDIGIT /14/
0018      CALL ASSTRN(1,ICAMREP,US1)
0019      CALL ASSTRN(2,ILPE1)
0020      DEFINE ETIF 1 (1000,59,U,I)
0021      TEI
0022      TDIGY=TDIGIT - 3DIGIT/10+10
0023      TDIGP=TDIGI+1
0024      DO 1200 JE1,10
0025      DO 1200 KE1,2
0026      DO 1200 LE1,0
0027      RANGE(1,K,1,1)=1000000
0028      RANGE(1,K,1,2)=1000000.
0029 1200  CONTINUE
0030      DO 1400 JE1,1
0031      RANGEW(1,1,1)=1000000.
0032      RANGEW(1,2)=1000000.
0033      RANGFD(1,1,1)=1000000.
0034      RANGFD(1,2)=100000000.
0035 1400  CONTINUE
0036 1500  CONTINUE
0037      READ(1) IT,ERR#30001TRFG,ISTATE,ISTRAT,ISUB,ISFG,TCHOP,IR10,
1 TEVAL,TCARS,NAPD, (TDATE(J),ISTAGE(J),J=1,4),
2 (PCENT(J)),JE1,101 , TGROUP
0038 1600  FORMAT(F8.1,10V , A4.2X,5I10 , F10.1)
0039      TF/TCHOP,FO,1,OR/TCHOP,FO,3)TCOL=1
0040      TF/TCHOP,FO,2,OR/TCHOP,FO,4)TCOL=2
0041      TF/PCENT(9),GT,99,9)TOTALS(ISTATE,TCOL,11)=TOTALS(ISTATE,TCOL,11)
1       +
0042      TF/TEVAL,IF,201INDEX=(TEVAL/10)+1
0043      TF/TEVAL,GF,301INDEX 3 +(TEVAL-28)/2
0044      TEVAL 1/ISTATE,TCOL,INDEX1=TEVAL 1/ISTATE,TCOL,INDEX1 + 1
0045      TCOUNT/ISTATE,TCOL,1=TCOUNT(ISTATE,TCOL,1)+1
0046      TOTALS(ISTATE,TCOL,1)=TOTALS(ISTATE,TCOL,1)+PCENT(1)
0047      TOTALS(ISTATE,TCOL,8)=TOTALS(ISTATE,TCOL,8)+PCENT(8)
0048      TOTALS(ISTATE,TCOL,9)=TOTALS(ISTATE,TCOL,9)+PCENT(9)
0049      TF/PCENT(1),GT,RANGE(ISTATE,TCOL,3,11)RANGE(ISTATE,TCOL,3,1) =
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FORTRAN IV-MUS VOP-64
MARQUIS2.FTN /TRIAL1.WR

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      1 PCFNT(1)
0050      1 IF(PFENT(1).LT.RANGE(ISTATE,ICOL,3,2))RANGE(ISTATE,ICOL,3,2) = 
      1 PCFNT(1),
0051      1 IF(ICOL.EQ.1)GO TO 2000
0052      TOTALS(ISTATE,2,3)=TOTALS(ISTATE,2,3)+PCFNT(3)
0053      TOTALS(ISTATE,2,5)=TOTALS(ISTATE,2,5)+PCFNT(5)
0054      TOTALS(ISTATE,2,7)=TOTALS(ISTATE,2,7)+PCFNT(7)
0055      IF(PFENT(1).GT.RANGE(ISTATE,2,2,1))RANGE(ISTATE,2,2,1)=PCFNT(7)
0056      IF(PFENT(1).LT.RANGE(ISTATE,2,2,2))RANGE(ISTATE,2,2,2)=PCFNT(7)
0057      GO TO 2200
0058 2000 CONTINUE
0059      TOTALS(ISTATE,1,2)=TOTALS(ISTATE,1,2)+PCFNT(2)
0060      TOTALS(ISTATE,1,4)=TOTALS(ISTATE,1,4)+PCFNT(4)
0061      TOTALS(ISTATE,1,6)=TOTALS(ISTATE,1,6)+PCFNT(6)
0062      IF(PCFNT(1).GT.RANGE(ISTATE,1,1,1))RANGE(ISTATE,1,1,1)=PCFNT(6)
0063      IF(PCFNT(1).LT.RANGE(ISTATE,1,1,2))RANGE(ISTATE,1,1,2)=PCFNT(6)
0064 2200 CONTINUE
0065      TAFCIDATE(1)
0066      ACFTADP
0067      IF(TAFCR.GT.RANGE(ISTATE,ICOL,4,1))RANGE(ISTATE,ICOL,4,1)=ACFC
0068      IF(TAFCR.LT.RANGE(ISTATE,ICOL,4,2))RANGE(ISTATE,ICOL,4,2)=ACFC
0069      YADAY=TAFCR - TAFC/1000*1000
0070      TAYEAR=(TAFCR - YADAY)/1000
0071      DAYS=(TAYEAR-TDTGTT)*365 + IADAY
0072      TOTALS(ISTATE,ICOL,13)=TOTALS(ISTATE,ICOL,13) + DAYS
0073      TDAY=TCCLASS = TCLASS/1000*1000
0074      IEYEAR=TCLASS = TDAY/1000
0075      IF(TAYEAR.NE.TAYEAR.IDTF=ICLASS-TACR
0076      IF(IEYEAR.NE.IAYEAR)IDTF=365-IADAY+IDAY
0077      DO 2500 J=1,12
0078      IF(IADAY.NE.MONTH1(J).AND.IADAY.LT.MONTH1(J+1))MONTH=N
0079 2500 CONTINUE
0080      INDEX=(TAYEAR-TDTGTT)*12 + MONTH
0081      IDATE1(ISTATE,ICOL,INDEX) = IDATE1(ISTATE,ICOL,INDEX) + 1
0082      WRITE(2,1000)STATE(ISTATE),ISTATE,ISFC,IDLIF,MONTH,IEYEAR,DAYS
0083      TOTALS(ISTATE,ICOL,12)=TOTALS(ISTATE,ICOL,12) + IDTF
0084      GO TO 3500
0085 3000 CONTINUE
0086      IMAGE=-1
0087      WRITE(2,3100)IMAGE
0088 3100 FORMAT(1H,20/)I0X,I3,1 LINES HAVE BEEN READ FROM CAMHEP.US1)
0089      DO 3200 K=1,9
0090      DO 3200 K=1,2
0091      TDIG3(J,K)=TDIG1
0092      IF(ICOUNT(J,K).LT.1)GO TO 3200
0093      AVF1(J,K)=TOTALS(J,K,6)/ICOUNT(J,K)
0094      AVF1(J,K)=TOTALS(J,K,7)/ICOUNT(J,K)
0095      AVF1(J,K)=TOTALS(J,K,12)/ICOUNT(J,K)
0096      AVF1(J,K)=TOTALS(J,K,13)/ICOUNT(J,K)
0097      IF(AVF1(J,K,4).GT.365.0)TDIG3(J,K)=TDIG2
0098      IF(AVF1(J,K,4).GT.365.0)AVF1(J,K,4)=AVF1(J,K,4) - 365.0
3200 CONTINUE
C      DO 4500 J=1,9
C      WRITE(2,4100)STATE(J),ICOUNT(J,1),ICOUNT(J,2),TOTALS(J,1,11),
C      1 TOTALS(J,2,11),(TOTALS(J,1,K),K=1,13),(TOTALS(J,2,K),K=1,13),
C      2 (RANGE(J,1,K,1),K=1,41),(RANGE(J,1,K,2),K=1,41),
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C   3  (RANGE(J,P,K,1),KB1,4),(RANGE(J,2,K,2),KB1,4),
C   4  (IEVAL1(J,1,K),KB1,9), (IEVAL1(J,P,K),KB1,9)
C   5 ,TDIG1,TDIG2,(AMONTH(K),KB1,24),(IDATE1(J,1,K),KB1,24),
C   6 (IDATE1(J,2,K1,KB1,24)
C4100 FORMAT(1H1, //, 1 STATE01, A4, 5X, 1 N SPRING01, I3, 5X,
C   1 IN WINTER01, I3, 5X, 1IN SPRING01, F3.0, 5X, 1IN WINTER01,
C   2 F3.0, 1, 1 TOTAL SPRING1, 13F9.1, //, 1 TOTAL WINTER1,
C   3 13F9.1, //, 1 SPRING HIGH1, 4F12.2, //, 1 SPRING LOW1,
C   4 4F12.2, //, 1 WINTER HIGH1, 4F12.2, //, 1 WINTER LOW1,
C   5 4F12.2, //, 20X, 1 EVALUATION CODE DISTRIBUTION1, /, 14X,
C   6 I0-91, 5X, I10-191, 3X, I20-291, 3X, I301, 5X, I321, 5X,
C   7 5X, I321, 5X, I361, 5X, I381, 5X, I401, //,
C   8 1 SPRTNG1, 91A, //, 1 WINTER1, 91A, //, 40X,
C   9 1 APRILTRITION MONTH DISTRIBUTION1, /, 30X, I1971, II, 60X,
C   A I1971, II, /, 12X, 24(A3,2X), //, 1 SPRING1, 2415, /,
C   B 1 WINTER1, 2415 )
C4500 CONTINUE
0090 DO 4900 J=1,9
0100 WRITE(2,4600)STATES(J),J
0101 4600 FORMAT(1H1, //, 50X,A4, 1(I, 11, 11))
0102 DO 4450 K=1,2
0103 DO 4450 L=1,2
0104 RR1(K,L)=RANGE(J,K,4,1)
0105 IF(RR1(K,L).GT.100000.,OR,RR1(K,L).LT.-80000.)RR1(K,L)=0.0
0106 RR2(L,K)=RANGE(J,L,L,K)
0107 IF(RR2(L,K).GT.100000.,OR,RR2(L,K).LT.-80000.)RR2(L,K)=0.0
0108 4450 CONTINUE
0109 WRITE(2,4700)TFCOUNT(J,1),ICOUNT(J,P),TOTALS(J,1,11),TOTALS(J,2,11)
0110 4700 FORMAT(1H1, //, 9X, 1 SPRING SEGS1, 9X, 1WINTER SEGS1, 9X,
C   1 1SPRTNG OTHER1,BY,IWINTER OTHER1,/,8X,I12,8X,I12,8X,F12.0,8X,
C   2 F12.0, //, 50X, 1AVERAGES1, //, 10X, 1AVE PCT WHT(RATIOED)1,
C   3 12X, 1AVE PROCESSING TIME1, 11X, 1AVE LAST ACD DATE1)
0111 WRITE(2,4800)ANAME(1),AVE1(J,1,1),AVE1(J,1,3),IDIG3(J,1),
C   1 AVE1(J,1,4),ANAMF(1),AVE1(J,2,2),AVE1(J,2,3),IDIG3(J,2),
C   2 AVE1(J,2,4)
0112 4800 FORMAT(1, 2Y, A4, 15X, F4.1, 25X, F6.0, 20X, I1971, II, 1X, F4.0,
C   2 -, 2Y, A4, 15X, F4.1, 25X, F6.0, 20X, I1971, II, 1X, F4.0, //,
C   3 10X, 1 MAY PCT WHT(RATIOED)1, 5X, 1MIN PCT WHT(RATIOED)1,
C   4 5X, 1FARLTEST ACD DATE1, 9X, 1LATEST ACD DATE1, //)
0113 WRITE(2,4850)ANAME(1),RR1(1,1),RR2(1,1),
C   1 RR1(1,2),RR1(1,11),ANAMF(1),
C   2 RR2(1,11),RR2(1,2),RR1(2,1)
0114 4850 FORMAT(2X, 14,1PX,F4.1,20X,F5.1,20X,F6.0,20X,F6.0, //,
C   1 2Y, A4, 1PX,F4.1,20X,F5.1,20X,F6.0,20X,F6.0 )
0115 WRITE(2,4870)ANAME(1),IEVAL1(J,1,K),KB1,9,ANAME(P),
C   1 (IEVAL1(J,1,P,K),KB1,9),TDIG1,TDIG2,(AMONTH(K),KB1,24),ANAME(1),
C   2 (IDATE1(J,1,K),KB1,24),ANAME(2),(IDATE1(J,2,K1,KB1,24)
0116 4870 FORMAT(1H1, 40X, 1EVALUATION CODE DISTRIBUTION1, //, 20X,
C   1 I0-91, 5X, I10-191, 3X, I20-291, 3X, I301, 5X, I321, 5X,
C   2 I361, 5X, I401, //, 2X, A4, 13X, 918, //, 2X, A4, 13X, 918, //,
C   3 50X, 1 APRILTRITION MONTH DISTRIBUTION1, /, 30X, I1971, II, 60X, I1971,
C   4 II, 12X, 24(A3,2X), //, 2X, A4, 2415, //, 2X, A4, 2415, //)
0117 4900 CONTINUE
0118 DO 5000 J=1,9
0119 TCOUNT(1)=TCOUNT(1)+TCOUNT(J,1)
0120 TCOUNT(2)=TCOUNT(2)+TCOUNT(J,2)

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0121      TCOUNT(3)=TCOUNT(3)+TCOUNT(J,1)+TCOUNT(J,2)
0122      DO 5000 I=1,24
0123      MTOT(1,L)=MTOT(1,L)+IDATE1(J,1,L)
0124      MTOT(2,L)=MTOT(2,L)+IDATE1(J,2,L)
0125      MTOT(3,L)=MTOT(3,L)+TDATF1(J,1,L)+TDATE1(J,2,L)
0126 5000 CONTINUE
0127      DO 5100 L=1,9
0128      TEVAL1T(1,L)=TEVAL1T(1,L)+TEVAL1(J,1,L)
0129      TEVAL1T(2,L)=TEVAL1T(2,L)+TEVAL1(J,2,L)
0130      TEVAL1T(3,L)=TEVAL1T(3,L)+TEVAL1(J,1,L)+TEVAL1(J,2,L)
0131 5100 CONTINUE
0132      TOTWH(1)=TOTWH(1)+TOTALS(J,1,6)
0133      TOTWH(2)=TOTWH(2)+TOTALS(J,2,7)
0134      TOTWH(3)=TOTWH(3)+TOTALS(J,1,6)+TOTALS(J,2,7)
0135      FLAPY(1)=FLAPT(1)+TOTALS(J,1,1P)
0136      FLAPY(2)=FLAPT(2)+TOTALS(J,2,12)
0137      ELAPY(3)=ELAPT(3)+TOTALS(J,1,1P)+TOTALS(J,2,12)
0138      ACOTOT(1)=ACOTOT(1)+TOTALS(J,1,13)
0139      ACOTOT(2)=ACOTOT(2)+TOTALS(J,2,13)
0140      ACOTOT(3)=ACOTOT(3)+TOTALS(J,1,13)+TOTALS(J,2,13)
0141 5200 CONTINUE
0142      DO 5300 K=1,2
0143      IF(RANGE(J,K,4,11).GT.RANGED(3,1))RANGED(3,1)
0144      1 = RANGE(J,K,4,1)
0145      1 = RANGE(J,K,4,2)
0146      1 = RANGE(J,K,4,11.GT.RANGED(K,1))RANGED(K,1)
0147      1 = RANGE(J,K,4,P1).LT.RANGED(K,P1))RANGED(K,2)
0148      1 = RANGE(J,K,K,1)
0149      1 = RANGE(J,K,K,2)
0150      1 = RANGEF(J,K,K,1)
0151      1 = RANGEF(J,K,K,2)
0152 5300 CONTINUE
0153      DO 5450 J=1,3
0154      TOTWH(J)=TOTWH(J)/FLDAT(ICOUT(J))
0155      FLAPT(J)=FLAPT(J)/FLDAT(ICOUT(J))
0156      ACOTOT(J)=ACOTOT(J)/FLDAT(TCOUT(J))
0157      TDIG4(J)=TDIG1
0158      IF(ACOTOT(J).GT.365.0)TDIG4(J)=IDIG2
0159      IF(ACOTOT(J).GT.365.0)ACOTOT(J)=ACOTOT(J)-365.0
0160 5450 CONTINUE
0161      DO 6020 J=1,3
0162      WRTTF(2,6020)NAME(J),TCOUT(J)
0163      6020 FORMAT(1H1, //, 50X, A4, ' TOTAL FOR 1 , 13 ,1 SEGMENTS! ')
0164      WRTTF(2,6050) TDIG1, TDIG2, (AMONT(K),K=1,24),
0165      1 = (MTOT(J,K),K=1,24), (IEVALT(J,K),K=1,9)
0166      WRTTF(2,6100)TOTWH(J), FLAPT(J), IDIG4(J)', ACOTOT(J)
      WRTTF(2,6200)RANGEW(J,1), RANGEW(J,2), RANGED(J,1),
      1 = RANGED(J,2)
0166 6050 FORMAT(1H1, //, 50X, 'ACQUISITION MONTH DISTRIBUTION! ', 30X, '1971,11 ,
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FORTRAN IV-PLUS V02-and
MARCH1972.FTN          REISIGER    16-SEP-77

      2   40X,1197-i,117,-12X,2E(43.2X),/,10X,
      3   IEVALUATION CONE DISTRIBUTION, //,
      4   i10=10! : 1X : 120-29 : 3X : 30! :
      5   i36! : 5X : 136! : 5X : 136! : 5X : 1
      6167   6100 FORMAT(//,/,10X,11VERGFS!,//,
      1   10X,11REVERSEING 1MF!, 6X,1ACQUISI-
      2   10X,110K !,10X,11PIN!, 15X,1197!, 11
      6200 FORMAT(//,/,10X,11DATA RANGES!,//,
      1   10X,11MIN DEPAT!, 10X,11LATEST ACO
      2   1EARLIEST ACO DATE!, 10X,1110X,11F10.0)
      3   10X,11PIN,0, 10X,11F10.0)

      0169   61000 STNTPINIE
      0170   FNA
      0171

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PROGRAM SECTIONS		ATTRIBUTES	
NUMBER	NAME	SIZE	
1	SCODE1	007206	1875
2	SPDATA	000070	76
3	SIDATA	002192	541
4	SVARS	010070	2706
5	STVAR	010070	2706

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PINEBAR SECTION

NUMBER
- 1 2 3 4 5

UNITES

מִתְּנָאָה, בְּכַנְּסֵי, בְּכַלְּבָד,
בְּבָבָרָה, בְּכַנְּסֵי, בְּכַלְּבָד

J
REG 1
VAL 1
TREF 1
TEVAL 1
IDIF 1
IADIF 1
ACG 1
IACG 1
NADIF 1
NADIF 1
VARIABLES

NAME	ADDRESS	TYPE	NAME	ADDRESS	TYPE	NAME	ADDRESS
CLASS	4-010432	IACC	I-2	4-010454	IAUAY	I-2	4-010455
DIG1	4-010432	ICOL	I-2	4-010450	ICMOP	I-2	4-010456
GROUP	4-010436	IOIG2	I-2	4-010452	IEUAY	I-2	4-010462
STATE	4-010410	IMAGE	I-2	4-010472	INUEX	I-2	4-010462
	4-010410	ISFRAT	I-2	4-010476	ISUB	I-2	4-010426
	4-010410	MONTW	I-2	4-010470	MACCO	I-2	4-010426

Chart
OF PERT CURVES

ARRAYS	NAME	TYPE	ADDRESS	SIZE	DIMENSIONS
	ACOTOT	Rea	4-0052A6	000000	(3)
	AMORTH	Rea	6-005540	000100	6 (24)
	AWARE	Rea	4-005312	000000	6 (3)
	AVF1	Rea	6-003116	000550	100 (9,2,5)
	AVE2	Rea	4-004046	000550	100 (9,2,5)
	ELAPT	Rea	4-005244	000000	6 (3)
	ICOUNT	T+P	4-005016	000000	20 (10,2)
	ICOUNT	T+P	4-005240	000000	3 (3)
	IDATE	T+P	4-005176	000100	8 (8)
	IDATE1	T+P	4-005276	001760	240 (10,2,24)
	IDIG3	T+P	4-004656	000000	16 (9,2)
	IDIG4	T+P	4-004310	000000	3 (3)
	IEVALT	T+P	4-005102	000000	27 (3,9)
	IEVAL1	T+P	4-007020	000550	100 (10,2,9)
	ISTAGE	T+P	4-005400	000010	4 (4)
	MONTH1	T+P	4-005512	000032	13 (13)
	WTOT	T+P	4-004222	000220	72 (3,24)
	PCENT	Rea	4-005020	000050	20 (10)
	RANCE	Rea	4-002010	001200	120 (10,2,6,2)
	RANGE0	Rea	4-004362	000070	12 (3,2)
	RANGE1	Rea	4-005100	000030	12 (3,2)
	RR	Rea	4-003110	000020	8 (2,2)
	RR2	Rea	4-004270	000020	8 (2,2)
	STATES	Rea	4-005046	000000	16 (9)
	TOTALS	Rea	4-005000	000000	520 (10,2,13)
	TOTWH	Rea	4-004210	000012	6 (3)

LABELS

FORTRAN IV-PLUS VD2-ND
MARCH152.FTH /TE1ALL.SHP

PAGE 7

LABL	ADDRESS	LABL	ADDRESS	LABL	ADDRESS	LABL	ADDRESS
1200	*	1200	*	1500	1-000000	1AC01	**
2200	1-001764	2500	*	3000	1-002574	31001	3-000000
46001	3-000062	4650	*	47001	3-000102	50001	3-000366
46701	3-000702	4900	*	5000	**	5100	**
5900	*	5950	*	60201	3-001234	60501	3-001302
62001	3-001764	6300	*	64001	3-001576	61001	3-001576

FUNCTIONS AND SUBROUTINES REFERENCED
ASSTGN

TOTAL SPACE ALLOCATED = 422210 4672

MARCH152.LPIZHAROUTS2.FTH/TH

4. SAMPLE OUTPUT

ORIGINAL PAGE IS
OF POOR QUALITY

C9Lc(1)

SPRING SEGS	WINTER SEGS	SPRING OTHER	WINTER OTHER
0	31	0.	2.

AVERAGES

AVE PCT WHTRATTED)	AVE PROCESSING TIME	AVE LAST ACQ DATE
SPRG WINT 0.0 10.1	0. 52.	1976 0. 1977 158.

MAX PCT WHTRATTED) MTN PCT WHTRATTED) EARLIEST ACQ DATE LATEST ACQ DATE

SPRG WINT	0.0 46.0	0.0 17069.	0. 17197.
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EVALUATION CODE DISTRIBUTION

6-9	10-19	20-29	30	32	34	36	38	40
SPRG WINT	0 0	0 0	0 0	0 0	0 0	0 2	0 29	0 0

ACQUISITION MONTH DISTRIBUTION

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DIC	JAN	FEB	MAR	APR	MAY	JUN	JUL	SUG	SEP	OCT
SPRG WINT	0 0																				

KANS(2)

	SPRING SEGS	WINTER SEGS	SPRING OTHER	WINTER OTHER
SPRG	6	111	0.	0.
WTNT	26.1			

AVERAGES

	AVE PCT WHITRATTED	AVE PROCESSING TIME	AVE LAST ACQ DATE
SPRG	67.0	0.	1976 0.
WTNT	26.1	54.	1977 138.

MAX PCT WHITRATTED) MTN PCT WHITRATTED) EARLIEST ACQ DATE LATEST ACQ DATE

	SPRG	WTNT	MTN
MAX	67.0	77.0	0.0
LATEST	17066.	17194.	0.

EVALUATION CODE DISTRIBUTION

	6=9	1n=19	2n=29	30	32	34	36	38	40
SPRG	0	0	0	0	0	0	0	0	0
WTNT	0	0	0	6	0	0	1	104	0

ACQUISITION MONTH DISTRIBUTION

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FER	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
SPRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WTNT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MINN(3)

	SPRING SEGS	WINTER SEGS	SPRING OTHER	WINTER OTHER
SPRG	44	0	5.	0.
WINT				

AVERAGES

	AVE PCT WHT(RATIOFD)	AVE PROCESSING TIME	AVE LAST ACQ DATE
SPRG	12.5	47.	1977 109.
WINT	0.0	0.	1976 0.

MAX PCT WHT(RATIOFD)

MIN PCT WHT(RATIOFD)

EARLIEST ACQ DATE

LATEST ACQ DATE

	SPRG	WINT	SPRG	WINT
AVE PCT WHT(RATIOFD)	41.5	0.0	17136.	17193.
MIN PCT WHT(RATIOFD)	0.0	0.0	0.	0.

EVALUATION CODE DISTRIBUTION

	0-9	10-19	20-29	30	32	34	36	38	40
SPRG	0	0	0	3	0	1	6	34	0
WINT	0	0	0	0	0	0	0	0	0

ACQUISITION MONTH DISTRIBUTION

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JIAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	
SPRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	32	9	0	0	0	0
WINT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MONT(4)

	SPRING SEGS	WINTER SEGS	SPRING OTHER	WINTER OTHER
SPRC	38	51	2.	1.

AVERAGES

	AVE PCT WHT(RATIOED)	AVE PROCESSING TIME	AVE LAST ACG DATE
SPRC	7.1	45. 50.	1977 184. 1977 177.
WINT	10.4		

LATEST ACG DATE

	MAX PCT WHT(RATIOED)	MIN PCT WHT(RATIOED)	EARLIEST ACG DATE	LATEST ACG DATE
SPRC	27.9	0.0	17146.	17203.
WINT	35.6	0.0	17113.	17203.

EVALUATION CODE DISTRIBUTION

	0=9	10=19	20=29	30	32	34	36	38	40
SPRC	0	0	0	1	0	0	4	33	0
WINT	0	0	0	1	0	0	4	46	0

ACQUISITION MONTH DISTRIBUTION

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT		
SPRC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	29	0	0	0	
WINT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	10	32	0	0	0

4EBR(5)

SPRING SEGS	WINTER SEGS	SPRING OTHER	WINTER OTHER	
0	51	0.	10.	

AVE PCT WHITRATTORI	AVE PROCESSING TIME	AVERAGES	AVE LAST ACQ DATE
50%	0.	0.	1976 0.
50%	52.	52.	1977 156.

MAX PCT WHITENED	MIN PCT WHITENED	EARLIEST ACQ DATE	LATEST ACQ DATE
0.0	0.0	16365.	0.
0.0	0.0	17214.	0.

EVALUATION CODE DISTRIBUTION						
6-9	10-19	20-29	30	32	34	36
SPRC	0	0	0	0	0	0
WINT	0	0	0	5	0	1

N DATE

SPRING SEGS

0
65

WINTER SEGS

0.

SPRING OTHER

4.

WINTER OTHER

0.

AVERAGES

AVE PCT WHIT(RATTLED)

16.6
0.0

AVE PROCESSING TIME

50.
0.

AVE LAST ACR DATE

1977 161.
1976 0.

MAX PCT WHIT(RATTLED) MIN PCT WHIT(RATTLED) EARLIEST ACR DATE LATEST ACR DATE

SPRG 46.4
0.0
WINT 0.0
0.0

17157.
0.

17196.
0.

EVALUATION CODE DISTRIBUTION

	10-9	10-19	20-29	30	32	34	36	38	40
SPRG	0	0	0	5	0	3	4	55	0
WINT	0	0	0	0	0	0	0	0	0

ACQUISITION MONTH DISTRIBUTION

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
SPRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WINT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

OVERALL

	SPRING SEGS	WINTER SEGS	SPRING OTHER	WINTER OTHER
SPRING	43	0.	0.	0.
WINT	0	0	0	0

AVERAGES

	AVE PCT WHITRATIFIED	MN PCT WHITRATIFIED	AVE PROCESSING TIME	AVE LAST ACQ DATE
SPRG	0.6	0.6	0.6	1976 0.
WINT	10.6	5.6	5.6	1977 154.

LATEST ACQ DATE

	MAX PCT WHITRATIFIED	MN PCT WHITRATIFIED	EARLIEST ACQ DATE	LATEST ACQ DATE
SPRG	0.6	0.6	0.	0.
WINT	71.5	1.6	17031.	17173.

EVALUATION CODE DISTRIBUTION

	6-9	10-19	20-29	10	32	34	36	38	40
SPRG	0	0	0	0	0	0	0	0	0
WINT	0	0	0	1	0	0	0	42	0

ACQUISITION MONTH DISTRIBUTION

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
SPRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WINT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

S D C S

SPRING EGGS	WINTER SEEDS	SPRING OTHER	WINTER OTHER
33	19	14	2

AVERAGES

AVE PET WHITRATTED	AVE PROCESSING TIME	AVE LAST ACO DATE
6.7	55.	1977 173.
6.4	56.	1977 173.
6.4	56.	1977 173.

MAX PCY WHYSRATEDEN MIN PCY WHYSRATTEDEN GARDENS ACO RISE

17214.
17226.
17230.
17231.
17232.
17233.
17234.
17235.
17236.
17237.
17238.
17239.
17240.

EXPLANATION CODE DISTRIBUTION

TEXS(9)

	WINTER SEGS	SPRING OTHER	WINTER OTHER
SPRING	0	0.	1.
WINT	33		

AVERAGES

	AVE PCT WHI(RATIOFD)	AVE PROCESSING TIME	AVE LAST ACO DATE
SPRG	0.6 WTNT	0. 59.	1976 1977 0. 136.

MAX PCT WHI(PATIEN)

WTN PCT WHI(RATIOFD)

EARLIEST ACO DATE

	0.0	0.0	0.
SPRG	0.6	WTNT	16361.
WINT	51.2		17158.

EVALUATION CODE DISTRIBUTION

	1=9	10=19	20=29	30	32	34	36	38	40
SPRG	0	0	0	0	0	0	0	0	0
WINT	0	0	0	2	0	0	0	27	0

ACQUISITION MONTH DISTRIBUTION

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	May	JUN	JUL	AUG	SEP	OCT
SPRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WINT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Off Good P.
Off Poor Q.
Off Bad P.

SPRG TOTALS FOR 1AO SEGMENTS

ACQUISITION MONTH DISTRIBUTION											
1976			1977								
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0

EVALUATION CODE DISTRIBUTION

0-9	10-19	20-29	30	32	14	36	38	40
0	0	0	10	0	4	16	150	0

AVERAGES

PERCENT WHEAT EST: 13.0
PROCESSING TIME: 40.1
ACQUISITION DATE: 1977 177.

DATA RANGES

MAY WHEAT	MIN WHEAT	LATEST ACQ DATE	EARLIEST ACQ DATE
41.4	0.0	17214.	17123.

WINT TOTALS FOR 539 SEGMENTS

ACQUISITION MONTH DISTRIBUTION 1976											
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	0	0	0	0	0	0	0	0	0	0	0

EVALUATION CODE DISTRIBUTION

n=9	10-19	20-29	30	32	34	36	38	40
0	0	0	15	0	2	25	297	0

AVERAGES

PFRCPNT WHEAT EST 19.4	PROCESSING TIME 53.5	ACQUISITION DATE 1977-50.
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DATA RANGES

MAX WHEAT 72.0	MIN WHEAT 0.0	LATEST ACQ DATE 17214.	EARLIEST ACQ DATE 16361.
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SIW TOTALS FOR 519 SEGMENTS

ACQUISITION MONTH DISTRIBUTION											
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0	0	0	0	0	0	0	0	0	0	0	0

EVALUATION CODE DISTRIBUTION

	1n-19	2n-29	3n	32	34	36	38	40
n=0	0	0	25	0	6	41	467	0

AVERAGES

PREFNT WHEAT TEST PROCESSING TIME ACQUISITION DATE
 16.0 52.0 1977 159.

DATA RANGES

MAY WHEAT	MIN WHEAT	LATEST ACC DATE	EARLIEST ACC DATE
72.0	0.0	17210.	16361-

ST. LOUIS, FLA. IS
OF POOR QUALITY